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Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. 60390-1A/JPW/GJG/JBC		Serial No. Not Yet Known	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)					Applicants: Arlindo Castelhana et al.			
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U.S. PATENT DOCUMENTS									
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate		
Amf		3 0 3 7 9 8 0	6/5/62	Hitchings, G.H. et al.;					
		3 9 1 0 9 1 3	10/7/75	Kim, et al.;					
		5 2 0 8 2 4 0	5/4/93	Peet, et al.;					
		5 4 0 9 9 3 0	4/25/95	Spada, A.P. et al.;					
		5 5 1 6 8 9 4	5/14/96	Reppert, S.M.;					
		5 5 8 0 8 7 0	12/3/96	Barker, A.J. et al.;					
		5 6 3 9 9 1 3	6/17/97	Lidor et al.;					
		5 6 4 6 1 5 6	7/8/97	Jacobson et al.;					
		5 6 8 1 9 4 1	10/28/97	Cook, P.D. et al.;					
		5 7 1 0 1 5 8	1/20/98	Myers, M.R. et al.;					
		5 7 1 4 4 9 3	2/3/98	Myers, M.R. et al.;					
		5 7 2 1 2 3 7	2/24/98	Myers, M.R. et al.;					
		5 7 4 7 4 9 8	5/5/98	Schnur, R.C. et al.;					
		5 7 8 0 4 5 0	7/14/98	Shade, D.L. et al.;					
		5 7 8 0 4 8 1	7/14/98	Jacobson et al.;					
		5 8 3 4 6 0 9	11/10/98	Horne, D.A. et al.;					
		5 8 7 7 2 1 8	3/2/99	Herzig et al.;					
		5 8 7 7 2 2 1	3/2/99	Cohen et al.;					
		5 8 8 0 1 5 9	3/9/99	Herzig et al.;					
		5 9 1 4 3 4 9	6/22/99	Cohen et al.;					
		5 9 6 2 4 5 8	10/5/99	Lohmann et al.;					
		5 9 9 4 4 0 8	11/30/99	Cohen et al.;					
Amf		6 1 0 3 8 9 9	8/15/00	Horne, D.A. et al.					

  

FOREIGN PATENT DOCUMENTS									
		Document Number	Date	Country	Class	Subclass	Translation		
							Yes	No	
Amf	WO	9 3 2 0 0 7 8	10/14/93	PCT;					
Amf	WO	9 4 1 3 6 7 6	6/23/94	PCT;					
Amf	WO	9 4 1 7 0 9 0	8/4/94	PCT;					

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									

  

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## FOREIGN PATENT DOCUMENTS

AM	WO	9	4	1	9	3	4	9	9/1/94	PCT;				
	WO	9	4	2	4	1	3	6	10/27/94	PCT;				
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	WO	02	0	5	7	2	6	7	7/25/02	PCT;				
	WO	03	0	4	8	1	2	0	6/12/03	PCT (Exhibit 2);				
	EP	0	3	2	2	2	4	2	6/28/89	EPO;				
	EP	0	5	1	4	5	4	0	11/25/92	EPO;				
	EP	0	6	8	2	0	2	7	11/15/95	EPO;				
	EP	0	7	2	9	7	5	8	9/4/96	EPO;				
AM	EP	0	7	7	3	0	2	3	5/14/97	EPO;				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER *Alton Pryor*DATE CONSIDERED *3/3/05*

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												Yes	No	
	GB	0	9	1	5	3	0	3	1/9/63	Great Britain;				
	DE	3	1	4	5	2	8	7	5/19/93	Germany;				
	IN	0	1	5	7	2	8	0	2/22/86	India;				
	JP	09	2	9	1	0	8	9	5/11/999	Japan;				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)														
		Abbracchio M., et al., (1999) "Brain Adenosine Receptors as Targets for Therapeutic Intervention in Neurodegenerative Diseases", <u>Ann. NY. Acad. Sci.</u> , 890: 79-92;												
		Banker, G.S. et al., <u>Modern Pharmaceuticals</u> , 3 <sup>rd</sup> ed., Marcel Dekker, New York, 1996, page 596;												
		Barrett, R.J. (1996) "Realizing the Potential of Adenosine-Receptor-Based Therapeutics" <u>Proc. West. Pharmacol. Soc.</u> 39: 61-66;												
		Barrett, R.J. et al., "N-0861 selectively antagonizes adenosine A1 receptors in vivo" <u>European J. Pharmacology</u> (1992) 216: 9-16;												
		Brand A., et al., (2001) "Adenosine A1 and A3 receptors mediate inhibition of synaptic transmission in rat cortical neurons", <u>Neuropharmacology</u> , 40: 85-95;												
		Bundy, G.L. et al. (1995) "Synthesis of Novel 2,4-Diaminopyrrolo-[2,3-d]pyrimidines with Antioxidant, Neuroprotective, and Antiasthma Activity" <u>J. Med. Chem.</u> 38: 4161-4163;												
		Campbell, R.M. et al., "Selective A <sub>1</sub> -Adenosine Receptor Antagonists Identified Using Yeast <i>Saccharomyces Cerevisiae</i> Functional Assays" <u>Bioorg. &amp; Med. Chem. Lett.</u> (1999) 9(16): 2413-2418;												
		Chen, Y. L., et al., "Synthesis and Oral Efficacy of a 4-(Butylethylamino)pyrrolo[2,3-d]pyrimidine: A Centrally Active Corticotropin-Releasing Factor <sub>1</sub> Receptor Antagonist", (1997) <u>J. Med. Chem.</u> , 40: 1749-1754;												
		Cummings, J. et al., "Antagonism of the Cardiodepressant Effects of Adenosine during Acute Hypoxia" <u>Academic Emergency Medicine</u> (2000), 7(8): 618-624;												
		DeNinno, M.P. in <u>Annual Reports in Medicinal Chemistry</u> , Vol. 33, (Academic Press: San Diego, 1998), pp. 111-120;												
		Dhainaut, A. et al., "New Purines and Purine Analogs as Modulators of Multidrug Resistance" <u>J. Med. Chem.</u> (1996) 39: 4099-4108;												
		Dooley, M.J. et al., "Theoretical Structure-Activity Studies of Adenosine A1 Ligands: Requirements for Receptor Affinity" <u>Bioorg. Med. Chem.</u> (1996), 4(6): 923-934;												
		Feoktistove, I. et al., (1998) "Adenosine A <sub>2B</sub> receptors: a novel therapeutic target in asthma?", <u>TIPS</u> 19: 148-153;												
		Gao, E. et al., "Adenosine A1 Receptor Antagonist Prolongs Survival in the Hypoxic Rat" <u>J. Cardiovascular Pharm.</u> (2001) 38: 384-394;												
EXAMINER		Altan Pryor						DATE CONSIDERED		3/3/05				
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<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
		Hart, H. et al., <u>Organic Chemistry, A Short Course</u> , (Houghton Mifflin: 1995), p. 121;					
<u>AWI</u>		Iwamura, H. et al. (1996) "Quantitative Aspects of the Receptor Binding of Cytokinin Agonists and Antagonists" <u>J. Med. Chem.</u> , 26: 838-844;					
		Jacobson K.A., et al., (1998) "Adenosine A3 receptors: novel ligands and paradoxical effects", <u>TIPS</u> , 19:184-191;					
		Jacobson K.A., et al., (1997) "Pharmacological Characterization of Novel A3 Adenosine Receptor-selective Antagonists", <u>Neuropharmacology</u> , 36 (9): 1157-1165;					
		Jorgensen, A. et al. (1985) "Synthesis of 7H-Pyrrolo[2,3-d]pyrimidin-4-amines" <u>Liebigs. Ann. Chem.</u> , Pages 142-148;					
		Kaiser, S.M. and R.J. Quinn (1999) "Adenosine receptors as potential therapeutic targets" <u>Drug Discovery Today</u> 4(12): 542-551;					
		Kiichiro, K. et al. "Synthesis of pyrazinecarboxylic acid derivs. - (II) derivs. of 3-aminopyrazinecarboxylic acid" (1961) <u>Yakugaku Zasshi</u> 81: 1650-1653;					
		Lee T., et al., (1999) "Protective effects of renal ischemic preconditioning and adenosine pretreatment: role of A1 and A3 receptors", <u>72nd Scientific Sessions of the American Heart Association</u> , Atlanta, GA, p.197;					
		Lee T., et al., (2000) "Protective effects of renal ischemic preconditioning and adenosine pretreatment: role of A1 and A3 receptors", <u>Am. J. Physiol. Renal Physiol.</u> , 278: F380-F387;					
		Marx, D. et al. (2001) "Therapy of Bronchial Asthma with Adenosine Receptor Agonists or Antagonists" <u>Drug News Perspect.</u> 14(2): 89-100;					
		Mautner, H.G., (1961) "Potential Deoxyribonucleic Acid Cross-linking Agents. 8,8'-Bispurines", <u>J. Org. Chem.</u> 26(6):1914-1917;					
<u>AWI</u>		Muller, C. E. et al. (1990) "7-Deaza-2-phenyladenines: Structure-Activity Relationships of Potent A1 Selective Adenosine Receptor Antagonists" <u>J. Med. Chem.</u> , 33: 2822-2828;					
EXAMINER <u>A. Honig</u>		DATE CONSIDERED <u>3/3/05</u>					
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ANP		20 02 00 28 7 8 2	3/7/02	Castelhana et al. (Exhibit 3, claims only);			
		20 02 00 58 6 6 7	5/16/02	Castelhana et al. (Exhibit 4, claims only);			
		20 03 00 36 5 4 5	2/20/03	Castelhana et al. (Exhibit 5, claims only);			
		20 02 00 94 9 7 4	4/17/03	Castelhana et al. (Exhibit 6, claims only);			
		20 03 00 73 7 0 8	4/17/03	Castelhana et al. (Exhibit 7, claims only);			
		09 4 5 4 0 7 4	12/2/99	Castelhana et al. (Exhibit 8, claims only);			
		09 4 5 4 0 7 5	12/2/99	Castelhana et al. (Exhibit 9, claims only);			
		10 0 1 0 0 9 2	11/30/01	Castelhana et al.;			
ANP		20 03 00 45 5 3 6	3/6/03	Castelhana et al. (Exhibit 10, claims only);			
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							Yes No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
ANP		Williams, E. F. et al., "Nucleoside transport sites in a cultured human retinal cell line established by SV-40 T antigen gene", (1994) <u>Current Eye Research</u> , 13: 109-118;					
		Wolff, Manfred E., <u>Burger's Medicinal Chemistry and Drug Discovery</u> , 5 <sup>th</sup> ed., Volume I: Principles and Practice, John Wiley & Sons, 1995, pages 975-977;					
ANP		Woods, C. L. and Blazynski, C. (1991) "Characterization of Adenosine A <sub>1</sub> -receptor Binding Sites in Bovine Retinal Membranes", <u>Experimental Eye Research</u> , 53: 325-331; and					
		Zhao, Z. et al., "Bioactivation of 6,7-Dimethyl-2,4-di-1-pyrrolidinyl-7H-pyrrolo[2,3-d]pyrimidine (U-89843) to Reactive Intermediates that Bind Covalently to Macromolecules and Produce Genotoxicity" <u>Chem. Res. Toxicol.</u> , (1996) 9: 1230-1239.					
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